

Appl. No. 09/634,356  
Amdt. dated September 16, 2004  
Reply to Office Action of July 26, 2004

Listing of Claims:

Please amend claim 17 as follows:

1. (previously presented): A wireless telephone, comprising:  
  
a basic telephone module for establishing a connection to a base station and processing voice and data for communication with the base station, the basic telephone module being operative to perform a group of time critical functions for communication with the base station and a group of non time critical functions; and  
  
an enhanced services module adapted to connect with the basic telephone module in order to perform the group of non time critical functions upon detection by the basic telephone module of the connection of the enhanced services module with the basic telephone module, the enhanced services module receiving data from the basic telephone module, processing the data and passing processed data to the basic telephone module during intervals when the basic telephone module has sufficient idle processing capacity available to receive the data,  
  
the basic telephone module detecting the connection of the enhanced services module, in response to detecting the connection of the connected enhanced services module, the basic telephone module disabling the group of non time critical functions being performed by the basic telephone module, and enabling the group of non time critical functions to be performed by the enhanced services module.
2. (previously presented): The telephone of claim 1 further comprising an interface module for transferring data between the basic telephone module and the enhanced services module.

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3. (original): The telephone of claim 2 wherein the enhanced services module comprises:

a processor;

a memory;

a bus for transferring data between the processor and the memory, the bus also transferring data to and from the basic telephone module through the interface module.

4. (original): The telephone of claim 3 wherein the basic telephone module, the enhanced services module and the interface module each include connectors to allow easy connection and disconnection of the basic telephone module to and from the enhanced services module.

5. (original): The telephone of claim 4 wherein the connectors are zero insertion force connectors.

6. (previously presented): The telephone of claim 4 wherein the interface module comprises a universal serial bus connection.

7. (previously presented): The telephone of claim 5 further comprising a connection module having a memory module accessible to both the basic telephone module and the enhanced services module.

8. (original): The telephone of claim 5 wherein the enhanced services module includes external device interfaces for connecting the telephone to external devices and wherein the bus also transfers data between the processor and the external device interfaces.

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9. (original): The telephone of claim 8 wherein the external device interfaces include a subscriber identity module interface.

10. (previously presented): The telephone of claim 9, wherein the external device interfaces include a Y-cable interface, an infrared device adapter interface and a BLUETOOTH® interface.

11. (original): The telephone of claim 10 wherein the enhanced services module performs a worldwide web browser function to allow user communication over an Internet connection.

12. (original): The telephone of claim 11 wherein the basic telephone module includes user interface components and wherein the enhanced services module provides enhancements to the user interface components of the basic telephone module by receiving basic data signals from the user interface components, retrieving enhanced data signals in response to the basic data signals and supplying the enhanced data signals to the basic telephone module.

13. (original): The telephone of claim 12 wherein the user interface components of the basic telephone module include a keypad and wherein the enhanced services module receives keystroke information from the basic telephone module, retrieves enhanced keystroke data in response to the keystroke information and supplies the enhanced keystroke data to the basic telephone module.

14. (original): The telephone of claim 13 wherein the user interface components of the basic telephone module include a display and wherein the enhanced services module receives

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display data from the basic telephone module, adds display enhancements to the display data and transfers the display data and display enhancements to the basic telephone module for display.

15. (original): The telephone of claim 14 wherein the enhanced services module produces enhanced services module display data and transfers the enhanced services module display data to the basic telephone module in order to display the enhanced services module display data.

16. (original): The telephone of claim 15 wherein the enhanced services module display data includes personal organizer information retrieved from the enhanced services module and processed for display.

17. (currently amended): A method of wireless communication, comprising:  
connecting a basic telephone module to an enhanced services module;  
receiving inputs from a user and transferring data between the basic telephone module and the enhanced services module;

storing inputs in order to perform functions selected by the user in the absence of a communication connection with a base station;

transferring subscriber information from the enhanced services module connected to the basic telephone module during intervals when the basic telephone module has sufficient idle processing capacity available to receive the subscriber information;

establishing a connection with a base station;

conducting communication functions with the base station using the basic telephone module to perform time critical functions and non time critical functions;

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detecting the connection of the enhanced services module; and  
transferring the performance of said non time critical functions to the enhanced services module, in response to detecting the connection of the enhanced services module to the basic telephone module.

18. (previously presented): A method of upgrading a wireless telephone comprising the steps of:

removing an enhanced services module from a basic telephone module;  
connecting the enhanced services module to a new basic telephone module, the new basic telephone module operable for processing a group of time critical functions and a group of non time critical functions;

detecting the connection of the enhanced services module; and  
transferring the processing of the group of non time critical functions to the enhanced services module, in response to detecting the connection of the enhanced services module to the basic telephone module.

19. (previously presented): A method of upgrading a wireless telephone comprising the steps of:

removing an enhanced services module from a basic telephone module;;  
connecting the basic telephone module to a new enhanced services module; the basic telephone module operable for processing a group of non time critical functions;  
detecting the connection of the new enhanced services module; and

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transferring the processing of the group of non time critical functions to the new enhanced services module, in response to detecting the connection of the enhanced services module to the basic telephone module.

20. (previously presented): A wireless telephone of claim 1 wherein the enhanced services module further comprises a keyboard.

21. (previously presented): A wireless telephone of claim 1 wherein the enhanced services module further comprises a display.

22. (previously presented) A wireless telephone comprising:  
an interface module;  
an enhanced services module removeably attached to the interface module; and  
a basic telephone module removeably attached to the interface module, the basic telephone module controls scheduling of data transfer between the basic telephone module and the enhanced services module by indicating when the basic telephone module is ready to receive data or interrupting operations being performed by the enhanced services module when the basic telephone module has data to send to the enhanced services module, the basic telephone module detecting the connection of the enhanced services module to the interface module, in response to detecting the connection of the enhanced services module connection, the basic telephone module disabling a group of non time critical functions being performed by the basic telephone module, and enabling the group of non time critical functions to be performed by the enhanced services module.

23. (cancelled)

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24. (previously presented): A wireless telephone, comprising:

a basic telephone module for establishing a connection to a base station and processing voice and data for communication with the base station, the basic telephone module having a first processor, a plurality of basic components needed for operation, and a first internal bus to communicate therebetween, the basic telephone module being operative to perform time critical and non time critical functions for communication with the base station; and

an enhanced services module adapted to connect with the basic telephone module in order to perform non time critical functions, the enhanced services module having a second processor, at least one optional hardware component and a second internal bus to communicate therebetween, the enhanced services module receiving data from the basic telephone module, processing the data by communicating between the second processor and the at least one optional hardware component and passing processed data to the basic telephone module during intervals when the basic telephone data has sufficient idle processing capacity available to receive the data, the basic telephone module detecting the connection of the enhanced services module to the basic telephone module, in response to detecting the connection of the enhanced services module, the basic telephone module disabling a non time critical function being performed by the basic telephone module, and enabling the non time critical functions to be performed by the enhanced services module.